

**Amendments to the Specification:**

Before paragraph **[0001]** insert the heading:

**BACKGROUND**

Please replace the paragraph **[0017]** with the following rewritten paragraph **[0017]**:

**[0017]** Thus, several types of prior-art systems make it possible to partially solve the above-mentioned problem:

the systems with variable acoustics comprising a mechanical device that makes it possible to vary the length of the intake ports and thus to vary the operating range that benefits from an acoustic tuning[.];

the camshaft phase shifting systems (VVT or VTC) which make it possible to vary the adjustment of the valve lift diagram in relation to the angle of rotation reference of the engine without modifying the lift diagram. The variation of the adjustment may be discrete or continuous[.]; and

the systems with mechanical variable timing ("Valvetronic"), which make it possible to vary the moment of opening and the duration of opening identically for all intake valves.

After paragraph **[0019]** insert the heading:

**SUMMARY OF THE INVENTION**

After paragraph **[0027]** insert the heading:

**BRIEF DESCRIPTION OF THE DRAWINGS**

After paragraph **[0028]** insert the heading:

**DETAILED DESCRIPTION**